

LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets if Necessary)

DOCKET NO.: 0973/1b889-US1

SERIAL NO: To Be Assigned
(U.S. Nat'l. Phase of Int'l.

APPLICANT: Michael SEUL

Appln. No. PCT/US97/08159

FILING DATE: Concurrently Herewith

Filed 24 April, 1997)

Jc931 U.S. PTO
09/688573
10/17/00**U.S. PATENT DOCUMENTS**

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
-------------------------------------	----------------------------------	-------------	-------------	--------------	-----------------	--------------------

FOREIGN PATENT DOCUMENTS

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>TRANSLATION</u> <u>YES</u> <u>NO</u>
-------------------------------------	----------------------------------	-------------	----------------	--------------	-----------------	--

OTHER REFERENCES**(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)***EXAMINER
INITIALS

1. S.R. Yeh, M. Seul, B.I. Shraimans, "Assembly of ordered colloidal aggregates by electric-field-induced fluid flow", Nature:Vol. 386.6 March 1997 pps. 57-59.
2. M. Giersig & P. Mulvaney, "Formation of Ordered Two-Dimensional Gold Colloid Lattices by Electrophoretic Deposition", J.Phys.Chem 1993, 97, 6334-6336.
3. M. Seul & C.A. Murray, "Scale Transformation of Magnetic "Bubble" Arrays: Coupling of Topological Disorder and Polydispersity", Science Vo. 262 22 Oct. 1993, pps. 558-560.
4. M. Trau, D.A. Saville, I.A. Aksay, "Field-Induced Layering of Colloidal Crystals", Science Vol. 272, May 1 1996, pps. 706-709
5. M. Seul & D. Andelman, "Domain Shapes and Patterns: The Phenomenology of Modulated Phases", Science, Vol. 267, 27 Jan. 1995, pps. 476-483.
6. The International Preliminary Examination Report dated April 27, 1998, received in the corresponding international application.

EXAMINER:

DATE CONSIDERED:

9/9/04

LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets if Necessary)

DOCKET NO.: 0973/1B889
APPLICANT: Michael SeulSERIAL NO: 09/171,550
FILING DATE: October 26, 199810931 U.S. PTO
09/68573
10/17/00**U.S. PATENT DOCUMENTS**

<u>*EXAMINER INITIALS</u>	<u>DOCUMENT NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
b	5,587,128	12/24/96	Wilding et al.	422	50	11/14/94
e	5,498,392	03/12/96	Wilding et al.	422	68.1	09/19/94

FOREIGN PATENT DOCUMENTS

<u>*EXAMINER INITIALS</u>	<u>DOCUMENT NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>TRANSLATION YES NO</u>
b	WO 96/04547	02/15/96		G01N	27/00	

OTHER REFERENCES**(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)*****EXAMINER
INITIALS**Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," Mark Schena, Dari Shalon, Ronald W. Davis, Patrick O. Brown, *Science*, Vol. 270, pp. 467-470, October 20, 1995."Single Molecule Fluorescence Burst Detection of DNA Fragments Separated by Capillary Electrophoresis," Brian B. Haab and Richard A. Mathies, *Analytical Chemistry*, Vol. 67, No. 18, pp. 3253-3260, September 15, 1995.EXAMINER: DATE CONSIDERED: 9/9/98

*Examiner: Initials if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



TECH CENTER 1600/2900

RECEIVED

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 464.1006 CON5

SERIAL NO.:

09/688,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	AA	3	9	9	8	5	2	5	12/21/76	Giglia	350	160	08/21/75
	AB	4	0	7	5	0	1	3	02/21/78	Ward et al.	96	1.5	09/13/76
	AC	4	4	5	6	5	1	3	06/26/84	Kawai et al.	204	180	08/25/82
	AD	4	5	7	5	4	0	7	03/11/86	Diller	204	67	10/24/84
	AE	4	5	8	1	5	5	0	05/27/86	Hafeman et al.	435	4	04/05/84
	AF	5	4	4	4	3	3	0	08/22/95	Leventis et al.	313	506	02/18/93
Q	AG	5	5	8	7	1	2	8	12/24/96	Wilding et al.	422	50	11/14/94
b	AH	5	4	9	8	3	9	2	03/12/96	Wilding et al.	422	68.1	09/19/94
b	AI	5	8	5	5	7	5	3	01/05/99	Trau et al.	204	484	11/26/96
b	AJ	6	0	3	3	5	4	7	03/07/00	Trau et al.	204	622	01/04/98
	AK												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
b	AL	9	6	0	4	5	4	7	02/15/86	PCT	601H	2788		X
	AM													
	AN													
	AO													
	AP													

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

b	AR	Yeh, et al., "Assembly of ordered colloidal aggregates by electric-field-induced fluid flow," <i>Nature</i> , vol. 386.6: 57-59 (1997)
	AS	Giersig et al., "Formation of ordered two-dimensional gold colloid lattices by electrophoretic deposition," <i>J. Phys. Chem.</i> , vol. 97: 6334-6336 (1993)
	AT	Seul et al., "Scale transformation of magnetic bubble arrays: coupling of topological disorder and polydispersity," <i>Science</i> , vol. 262: 558-560 (1993)

EXAMINER

K. Hayer

DATE CONSIDERED

9/9/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED

SEP 20 2001
TECH CENTER 1600/2900FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 464.1006 CON5

SERIAL NO.:

09/688,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BG							
	BH							
	BI							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

b	BJ	Trau et al., "Field-Induced Layering of Colloidal Crystals," <i>Science</i> , vol. 272 : 706-709 (1996)
e	BK	Soul et al., "Domain Shapes and Patterns: The Phenomenology of modulated Phases," <i>Science</i> , vol. 267 : 476-483 (1995)
e	BL	Schena et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," <i>Science</i> , vol. 270 : 467-470 (1995)
e	BM	Haab et al., "Single Molecule Fluorescence Burst Detection of DNA Fragments Separated by Capillary Electrophoresis," <i>Analytical Chemistry</i> , vol. 67 (No. 18) : 3253-3256 (1995)
e	BN	Richetti, et al., <i>J. Physique Lettr.</i> , vol. 45 : L-1137 to L-1143 (1984)
e	BO	Sze, "MIS Diode and Charge-Coupled Device," <i>The Physics of Semiconductors</i> , Chapter 7, pp. 362-430 (2 nd Edition) (Wiley Interscience 1981)
	BP	
	BQ	
	BR	

EXAMINER

DATE CONSIDERED

9/9/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 464.1006 CONS

SERIAL NO.: 09/688,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
b	AA	4	4	9	9	0	5	2	2/12/85	Fulwyler	422	52	8/30/82
	AB	4	6	4	7	5	4	4	3/3/87	Nicoli et al.	436	518	6/25/85
	AC	4	8	2	2	7	4	6	4/18/89	Walt	436	528	6/25/86
	AD	4	9	9	4	3	7	3	2/19/91	Stavrianopoulos et al.	435	6	7/20/89
	AE	5	0	0	2	8	6	7	3/26/91	Macevitz	435	6	10/24/88
	AF	5	0	2	8	5	4	5	7/2/91	Soini	436	501	6/9/88
	AG	5	1	0	5	3	0	5	4/14/92	Betzig	359	368	1/10/91
	AH	5	1	1	4	8	6	4	5/19/92	Walt	436	528	9/16/89
	AI	5	1	3	2	2	4	2	7/21/92	Cheung	436	501	11/13/89
	AJ	5	1	3	2	0	9	7	7/21/92	Van Deusen et al.	422	82.09	9/4/90
	AK	5	1	4	3	8	5	3	9/1/92	Walt	436	501	2/2/89

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
b	AL	0	2	6	9	7	6	4	6/8/88	EP	G12D	1/68		X
	AM	0	4	7	8	3	1	9	4/1/92	EP	G12D	1/68		X
	AN	0	7	2	3	1	4	6	7/24/96	EP	G11N	21/64		X
	AO	8	9	1	1	1	0	1	11/16/89	PCT	G01N	33/546		X
	AP	9	3	0	2	3	6	0	2/4/93	PCT	G01N	33/536		X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

b	AQ	Peterson, et al. "Fiber optic pH probe for physiological use," Anal. Chem. Vol. 52, 864-869 (1980)
	AR	Peterson, et al. "Fiber-Optic Sensors for Biomedical Applications," Science, 13: 123-127 (1984).
	AS	Fuh, et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112: 1159-1163 (1987).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 484,1006 CONS

SERIAL NO.:

09/688,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
b	BA	5	1	9	4	3	0	0	3/18/93	Cheung	427	213.31	11/8/89
	BB	5	2	4	4	8	1	3	9/14/93	Walt et al.	436	172	4/20/92
	BC	5	2	4	4	6	3	6	9/14/93	Walt et al.	422	82.07	1/25/91
	BD	5	2	5	0	2	6	4	10/5/93	Walt et al.	422	82.07	12/21/92
	BE	5	2	5	2	4	9	4	10/12/93	Walt	436	528	8/30/92
	BF	5	2	5	4	4	7	7	10/19/93	Walt	436	172	9/19/91
	BG	5	2	9	8	7	4	1	3/29/94	Walt et al.	250	227.3	7/3/93
	BH	5	3	0	6	6	1	8	4/26/94	Prober et al.	435		1/16/94
	BI	5	3	2	0	8	1	4	6/14/94	Walt et al.	422	82.07	11/25/92
	BJ	5	3	6	2	6	5	3	11/8/94	Carr et al.	436	165	5/6/92
	BK	5	4	0	5	7	8	4	4/11/95	Van Hoegaerden	436	523	2/25/93

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
b	BL	9	3	0	6	1	2	1	4/1/93	PCT	C07H	21/00		X
	BM	9	3	2	4	5	1	7	12/9/93	PCT	C07K			X
	BN	9	7	1	4	0	2	8	4/17/97	PCT	G01N	15/10		X
	BO													
	BP													

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

b	BO	Barnard, et al., "A fibre-optic chemical sensor with discrete sensing sites," Nature, vol. 353: 338-340 (1991).
	BR	Campion, et al., "Colored and Fluorescent Solid Supports," Innovation and Perspectives in Solid-Phase Synthesis. Ed: E. Birmingham (Mayflower, London), pp. 469-472 (1994).
	BS	Pope, "Fiber optic chemical microsensors employing optically active silica microspheres," SPIE, vol. 2388: 245-256 (1995).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 464.1006 CONS

SERIAL NO.:

09/688,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	CA	5	4	8	0	7	2	3	1/2/96	Klainer et al.	428	441	5/17/94
	CB	5	8	1	4	5	2	4	9/29/98	Walt et al.	436	518	12/14/95
	CC	5	4	9	6	9	9	7	3/5/96	Pope	250	227.21	1/1/94
	CD	5	5	1	2	4	9	0	4/30/96	Walt et al.	436	171	9/11/94
	CE	5	5	6	5	3	2	4	10/15/96	Still et al.	435	6	4/12/94
	CF	5	5	6	7	6	2	7	10/22/96	Lehnen	436	518	11/5/93
	CG	5	6	3	3	7	2	4	5/27/97	King et al.	356		8/29/95
	CH	5	6	3	3	9	7	2	5/27/97	Walt et al.	385	116	11/29/95
	CI	5	6	5	0	4	8	9	7/22/97	Lam et al.	530	334	5/19/91
	CJ	5	6	5	2	0	5	9	7/29/97	Margel	428	403	1/25/95
	CK	5	6	7	4	6	9	8	10/7/97	Zarling et al.	435	7.92	3/30/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	CL													
	CM													
	CN													
	CO													
	CP													

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	CQ	Grazia et al., "In-vivo biomedical monitoring by Fiber-Optic System," Journal of Lightwave Technology, 13, 1396-1406 (1995).
	CR	Bangs, "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (April 1996)
	CS	"Fluorescent Microspheres (Tech. Note #19)," Bangs Laboratories (1997)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 464.1006 CON5

SERIAL NO.:

09/686,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17, 2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>6</i>	DA	5	6	9	0	8	9	4	11/25/97	Pinkel et al.	422	68.1	5/23/95
	DB	5	7	0	0	8	9	7	12/23/97	Klainer et al.	528	15	5/30/95
	DC	5	7	7	9	9	7	6	7/14/98	Leland et al.	422	52	6/8/95
	DD	5	9	3	9	0	2	1	8/17/99	Hansen et al.	422	55	12/3/97
	DE	5	9	6	1	9	2	3	10/5/99	Nova et al.	422	68.1	9/30/98
	DF	5	9	6	5	4	5	2	10/12/99	Kovacs	436	140	1/9/96
	DG	6	0	4	8	6	9	0	4/11/00	Heller et al.	435	6	5/11/97
	DH	6	0	9	0	5	4	5	7/18/00	Wohlstädter et al.	435	6	3/9/97
	DI	6	0	9	0	9	1	2	7/18/00	Lebl et al.	530	300	11/23/98
	DJ	6	2	0	0	7	3	7	3/13/01	Walt et al.	430	320	8/24/95
	DK												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	DL													
	DM													
	DN													
	DO													
	DP													

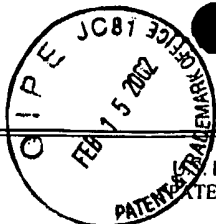
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>6</i>	DD	Egner, et al., "Tagging in combinatorial chemistry: the use of coloured and fluorescent beads," Chem. Commun. pp. 735-736 (1997)
	DR	Fulton, et al., "Advanced multiplexed analysis with the FlowMetrix system," Clinical Chemistry, vol. 43:9, pp. 1749-1756 (1997).
	DS	Scott et al., "Properties of fluorophores on solid phase resins; implications for screening, encoding and reaction monitoring," Bioorganic & Medicinal Chemistry Letters, 7:12, pp. 1567-1572 (1997).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.:
464.1006 CONSSERIAL NO.:
09/688,573

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): SEUL, Michael

FILING DATE: October 17,
2000

GROUP: 1641

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA						
	EB						
	EC						
	ED						
	EE						
	EF						
	EG						
	EH						
	EI						
	EJ						
	EK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	EL							
	EM							
	EN							
	EO							
	EP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

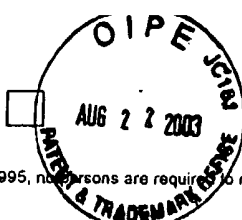
EQ	Healey et al., "Fiberoptic DNA sensor array capable of detecting point mutations," Analytical Biochemistry, vol. 251, pp. 270-279 (1997).
ER	"Microsphere Selection Guide," Bangs Laboratories, Inc. (Fisher, IN) (September 1998)
ES	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 OF

Complete if Known

Application Number: 09/668,573

Filing Date: 10/17/00

First Named Inventor: M. S. ul, et al.

Group Art Unit: 1641

Examiner Name:

Attorney Docket Number: LEAPS 1005

RECEIVED
AUG 25 2003
TECH CENTER 1600/2900

Examiner Initials	U.S. Documents		U.S. Patent Document Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number			
6	6,083,763		Balch	7/4/2000
	6,172,218 B1		Brenner	1/9/2001
	5,415,835		Brueck, et al.	5/16/1995
	6,429,027 B1		Chee et al.	8/6/2002
	5,532,128		Eggers et al.	7/2/1996
	5,516,635		Ekins et al.	5/14/1996
	5,961,923		Nova et al.	10/5/1999

FOREIGN DOCUMENTS

Examiner Initials	Foreign Patent Documents			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
	Office	Number	Kind Code (if known)			
b		WO 00/04372		Anstyn, et al.	1/27/2000	
		WO 99/60170		Baier, et al.	11/25/1999	
		WO 98/40726		Walt, et al.	2/8/2000	
		WO 00/03004		Feghtler, et al.	1/20/2000	
		WO 00/75373		Walt, et al.	12/14/2000	

Examiner Signature	<u>b. hays</u>	Date Considered	<u>9/9/01</u>
-----------------------	----------------	--------------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1

Persons are required to respond

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number:

Filing Dat :

First Named Inventor: M. S. ul, et al.

Group Art Unit:

Examiner Name:

SHEET

1

OF

1

Attorney Docket Number:

Examiner Initials	U.S. Documents		U.S. Patent Document Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number			
TG	5,770,358		Dower	7/23/1998

RECEIVED

AUG 28 1998

TECH CENTER 1600/2900

RECEIVED
AUG 28 1993
TECH CENTER 1600/2900

FOREIGN DOCUMENTS						
Examiner Initials	Foreign Patent Documents			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
	Office	Number	Kind Code (if known)			

Examiner Signature	<i>[Signature]</i>	Date Considered	9/9/04
-----------------------	--------------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

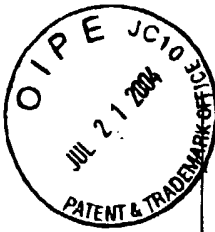
Please type a plus sign (+) inside this box ☐

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET OF

Complete if Known

Application Number: 09/688,573

Filing Date: 10/17/2000

First Named Inventor: M. Seul, et al.

Group Art Unit:

Examiner Name:

Attorney Docket Number: LEAPS C5

Examiner Initials	U.S. Documents		U.S. Patent Document Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	Number			
b	US 3,571,614 A		Carreira	04/13/1997
le	US 5,510,270 A		Fodor, et al.	04/23/1996

FOREIGN DOCUMENTS

Examiner Initials	Foreign Patent Documents			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
	Office	Number	Kind Code (if known)			
b		WO 96 07917 A		Nanogen	03/14/1996	
↓		WO 91 19023 A		Savin Corp.	12/12/1991	
↓		GB 2 058 379 A		AGFA GEVAERT	04/08/1981	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).	T 2
b		YEH, S.R., et al. "Assembly of ordered colloidal aggregates by electric-field-induced fluid flow". <i>Nature</i> , Mar 6, 1997: 57-59. Vol 386, No 6620	
Examiner Signature	b. Hays		Date Considered 9/9/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.